# CURRICULUM VITAE
# MONTAGNA CRISTINA

## ***Personal:***

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| Name: | Cristina Montagna |
| Date and place of birth: | 14/09/1968, Milan, Italy |
| Nationality: | Italian |

## ***Education:***

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| 1987-1993 | Degree in Biology (Cellurar-Molecular biology)<br>University of Milan |

## ***Post doctoral activity:***

1993-1994

Fellowship (Mediolanum Pharmaceutics) at the Cell Culture Laboratory of C.N.R.-I.T.B.A., Milan, for the research project: "Study of the effect of physostigmine derivatives compounds on Bfu-e colony formation in vitro".

1994-1999

Fellowship at C.N.R. in Molecular Biology Laboratory, under the supervision of Prof. R. Dulbecco for the research project "Identification of genes involved in tumorigenicity: a molecular approach".

2000-present

Fellowship at NIH, NCI- FISH lab Department of human genetics, under the supervision of Dr. T. Ried.

## ***Work experience:***

November 1992 - July 1993 I worked in the same laboratory while carrying out my thesis work, I was interested in the isolation of mononuclear cells derived from peripheral blood and human bone marrow and their applications to clonogenic assays after stimulation with some growth factors.

I analysed differentiation *in vitro* of the progenitor cells by preparing stem culture systems able to generate erythroid colonies in a chemistry-defined medium (serum - free medium).

From November 1993 to September 1994 I worked on a project aimed at the analysis of the effects of new synthesis compounds derived from Phystostigmine on "in vitro" haemopoietic colony formation.
We took into consideration the inhibition of the proliferation of hematopoetic progenitors both in suspension cultures and semisolid mediums, and then successive analysis of the cells that set up colonies by means of fixation, colouring and subsequently morphologic analysis.

From 1994 to 1999 I worked in Prof. Dulbecco's group on the identification of genes that cause malignant transformation in tumors.
I studied two different subclones of a rat breast cancer cell line that undergo in vitro differentiation and can constitute characteristic morphologic structures.
To study the structures I have learned *in vitro* micro-dissection techniques of the differentiated structures, cloning and sequencing analysis of the messengers expressed in the breast cancer cells, and Northern hybridization for expression analysis in different types of tissues or cell lines.
I employed also different transfection techniques for expression of *in vivo* messengers.
With regards to the work that I carried out in Prof. Dulbecco's laboratory, I applied techniques of "in situ" hybridization with 35S-UTP or 35S-ATP on tissue sections of different types and cells from two clones.

Since April 1999 I have been working in T. Ried lab where I learned the teniques of Sky hybridization and CGH analysis on mouse primary tumors and human cell lines. I'm studying different mouse models of breast cancer and skin primary tumors with the aim of identifying recurrent imbalances in mice transgenic for different oncogenes and tumor suppressor genes.
I'm setting up a system of time-lapse live cell imaging to follow centrosome amplification in aneuploid colorecatal cancer cell lines.